



0000084561

## BEFORE THE ARIZONA CORPORATION

25

**COMMISSIONERS**

Mike Gleason, Chairman  
William A. Mundell  
Jeff Hatch-Miller  
Kristin K. Mayes  
Gary Pierce

Arizona Corporation Commission

**DOCKETED**

APR 29 2008

DOCKETED BY

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IN THE MATTER OF THE APPLICATION  
OF ARIZONA PUBLIC SERVICE  
COMPANY, IN CONFORMANCE WITH  
THE REQUIREMENTS OF ARIZONA  
REVISED STATUTES §§ 40-360, *et seq.*,  
FOR A CERTIFICATE OF  
ENVIRONMENTAL COMPATIBILITY  
AUTHORIZING THE SUNDANCE TO  
PINAL SOUTH 230 kV TRANSMISSION  
PROJECT, WHICH ORIGINATES AT THE  
SUNDANCE GENERATING STATION,  
SECTION 2, TOWNSHIP 6 SOUTH, RANGE  
7 EAST, AND TERMINATES AT THE  
FUTURE PINAL SOUTH SUBSTATION,  
SECTION 30, TOWNSHIP 6 SOUTH,  
RANGE 8 EAST, IN PINAL COUNTY,  
ARIZONA.

CASE NO. 136

DOCKET NO. L-00000D-07-0682-00136

DECISION NO. 70325

The Arizona Corporation Commission ("Commission") has conducted its review, pursuant to A.R.S. § 40-360.07. The Commission finds and concludes that the Certificate of Environmental Compatibility ("CEC") issued by the Arizona Power Plant and Transmission Line Siting Committee ("Committee") is hereby granted by this Order.

The Commission further finds and concludes that: (1) the Project is in the public interest because it aids the state in meeting the need for an adequate, economical and reliable supply of electric power; (2) in balancing the need for the Project with its effect on the environment and ecology of the state, the conditions placed on the CEC by the Committee effectively minimize its impact on the environment and ecology of the state; (3) the conditions placed on the CEC by the Committee resolve matters concerning the need for the Project and its impact on the environment and ecology of the state raised during the course of proceedings, and as such, serve as the findings on the matters raised; and (4) in light of these conditions, the balancing in the broad public interest results in favor of granting the CEC.

THE CEC ISSUED BY THE SITING COMMITTEE IS  
INCORPORATED HEREIN AND IS APPROVED BY ORDER OF THE  
ARIZONA CORPORATION COMMISSION

*Lawrence S. Gleason*  
CHAIRMAN

*William M. M...*  
COMMISSIONER

*Stephen Hatcher-Miller*  
COMMISSIONER

*R. W. ...*  
COMMISSIONER

*Gay L. ...*  
COMMISSIONER

IN WITNESS WHEREOF, I BRIAN C. MCNEIL, Executive  
Director of the Arizona Corporation Commission, have  
hereunto, set my hand and caused the official seal of this  
Commission to be affixed at the Capital, in the City of Phoenix,  
this 21<sup>st</sup> day of April, 2008.

*Brian C. McNeil*  
BRIAN C. MCNEIL  
Executive Director

DISSENT: \_\_\_\_\_

DISSENT: \_\_\_\_\_

1 **BEFORE THE ARIZONA POWER PLANT AND**  
2 **TRANSMISSION LINE SITING COMMITTEE**

3  
4 IN THE MATTER OF THE )  
5 APPLICATION OF ARIZONA PUBLIC )  
6 SERVICE COMPANY, IN ) Docket No.  
7 CONFORMANCE WITH THE ) L-00000D-07-0682-00136  
8 REQUIREMENTS OF ARIZONA )  
9 REVISED STATUTES §§ 40-360, *et seq.*, ) Case No. 136  
10 FOR A CERTIFICATE OF )  
11 ENVIRONMENTAL COMPATIBILITY )  
12 AUTHORIZING THE SUNDANCE TO )  
13 PINAL SOUTH 230kV TRANSMISSION )  
14 PROJECT, WHICH ORIGINATES AT )  
15 THE SUNDANCE GENERATING )  
16 STATION, SECTION 2, TOWNSHIP 6 )  
17 SOUTH, RANGE 7 EAST, AND )  
18 TERMINATES AT THE FUTURE PINAL )  
19 SOUTH SUBSTATION, SECTION 30, )  
20 TOWNSHIP 6 SOUTH, RANGE 8 EAST, )  
21 IN PINAL COUNTY, ARIZONA. )  
22  
23  
24  
25  
26

15 **CERTIFICATE OF ENVIRONMENTAL COMPATIBILITY**

16 Pursuant to notice given as provided by law, the Arizona Power Plant and  
17 Transmission Line Siting Committee (the "Committee") held public hearings on  
18 January 22 and 23, 2008, and February 11, 2008, all in conformance with the requirements  
19 of Arizona Revised Statutes ("A.R.S.") §§ 40-360, *et seq.*, for the purpose of receiving  
20 evidence and deliberating on the Application of Arizona Public Service Company  
21 ("Applicant") for a Certificate of Environmental Compatibility ("Certificate") in the  
22 above-captioned case (the "Project").

23 The following members and designees of members of the Committee were present  
24 at one or more of the hearings for the evidentiary presentations and/or for the  
25 deliberations:  
26

1	Jennifer Boucek	Chairman, Designee for Arizona Attorney General, Terry Goddard
2		
3	David L. Eberhart, P.E.	Designee for Chairman, Arizona Corporation Commission
4		
5	Jack Haenichen	Designee for Director, Energy Department, Arizona Department of Commerce
6		
7	Paul Rasmussen	Designee for Director, Arizona Department of Environmental Quality
8		
9	Jeff McGuire	Appointed Member
10	Michael Palmer	Appointed Member
11	Joy Rich	Appointed Member
12	A. Wayne Smith	Appointed Member
13	Barry Wong	Appointed Member

14 The Applicant was represented by Thomas H. Campbell and Albert H. Acken of  
15 Lewis and Roca LLP. The following parties were granted intervention pursuant to A.R.S.  
16 § 40-360.05: Pinal County represented by Lawrence V. Robertson, Jr. and Chris M. Roll;  
17 Lonesome Valley Farms Limited Partnership, Jacob Roberts and Gail Robertson (the  
18 "Roberts") represented by Court S. Rich; Arizona Corporation Commission ("ACC" or  
19 "Commission") Staff, represented by Charles Hains.

20 At the conclusion of the hearings, the Committee, having received the Application,  
21 the appearances of the parties, the evidence, testimony and exhibits presented at the  
22 hearings, and being advised of the legal requirements of A.R.S. §§ 40-360 to 40-360.13,  
23 upon motion duly made and seconded, voted 8 to 0 to grant the Applicant this Certificate  
24 of Environmental Compatibility (Case No. 136) for the Project.

1       The Project as approved consists of approximately seven miles of double-circuit  
2 230kV transmission line and required substation facilities and modifications. A general  
3 location map of the Project, described herein, is set forth in **Exhibit A**.

4       The Project will originate at a new 10-acre substation to be located on property  
5 owned by the Applicant adjacent to the Sundance Generating Station, Section 2, Township  
6 6 South, Range 7 East (ACC Decision #63863, Line Siting Case No. 107). A double-  
7 circuit 230kV tie-line will be built from the new substation to interconnect with the  
8 existing substation located on the north side of the Sundance Generating Station.

9       From the new substation, the Project will proceed west, within the Northern  
10 Corridor Area described below, south of existing and future planned natural gas lines north  
11 of Randolph Road, on structures designed to accommodate double-circuit 230kV with  
12 69kV circuits underbuilt. The approved route for the Project then turns south along the  
13 Curry Road alignment to the Southern Corridor Area, described below. From this point  
14 the Project proceeds east within the Southern Corridor Area to the future Pinal South  
15 Substation, located in Section 30, Township 6 South, Range 8 East (approved as part of  
16 ACC Decision #68093, Line Siting Case No. 126).

17       The total right-of-way width is 130 feet within a general corridor that is a minimum  
18 of 500 feet wide, except in the areas identified as the Northern Corridor Area and Southern  
19 Corridor Area in **Exhibit A**. The Northern Corridor Area is a 2700-foot corridor north of  
20 Randolph Road, on property owned by the Applicant, from 250 feet east of Tweedy Road  
21 to the half-section between Curry and Tweedy Roads. The Northern Corridor Area also  
22 includes an area that is a 1380-foot corridor north of Randolph Road, from the half-section  
23 between Curry and Tweedy Roads to 250 feet west of Curry Road. The Southern Corridor  
24 Area is a 3000-foot corridor south from the half-section between State Route 287/Florence  
25 Boulevard and the Earley Road alignment, beginning 250 feet west of Curry Road to 1000  
26 feet east of Eleven Mile Corner Road. Conceptual models of tower types are depicted in

1 Figures G-1 through G-6 of Hearing Exhibit APS-2 (Supplemental Packet #1, Tab 4),  
2 attached hereto as **Exhibit B**.

3 This Certificate is granted upon the following conditions:

- 4 1. The Applicant shall obtain all required approvals and permits necessary to  
5 construct the Project.
- 6 2. The Applicant shall comply with all existing applicable ordinances, master  
7 plans and regulations of the State of Arizona, the County of Pinal, the  
8 United States, and any other governmental entities having jurisdiction.
- 9 3. This authorization to commence construction of the Project shall expire  
10 seventeen years from the date the Certificate is approved by the  
11 Commission; provided, however, that prior to such expiration the Applicant  
12 or its assignees may request that the Commission extend this time limitation.
- 13 4. The Applicant shall make every reasonable effort to identify and correct, on  
14 a case-specific basis, all complaints of interference with radio or television  
15 signals from operation of the transmission lines and related facilities  
16 addressed in this Certificate. The Applicant shall maintain written records  
17 for a period of five years of all complaints of radio or television interference  
18 attributable to operation, together with the corrective action taken in  
19 response to each complaint. All complaints shall be recorded to include  
20 notations on the corrective action taken. Complaints not leading to a  
21 specific action or for which there was no resolution shall be noted and  
22 explained.
- 23 5. The Applicant shall comply with the notice and salvage requirements of the  
24 Arizona Native Plant Law and shall, to the extent feasible, minimize the  
25 destruction of native plants during Project construction.
- 26

- 1 6. Pursuant to A.R.S. § 41-844, if any archaeological, paleontological or  
2 historical site or object that is at least fifty years old is discovered on state,  
3 county or municipal land during plan-related activities, the person in charge  
4 shall promptly report the discovery to the Director of the Arizona State  
5 Museum, and in consultation with the Director, shall immediately take all  
6 reasonable steps to secure and maintain the preservation of the discovery. If  
7 human remains and/or funerary objects are encountered on private land  
8 during the course of any ground-disturbing activities relating to the  
9 development of the subject property, Applicant shall cease work on the  
10 affected area of the Project and notify the Director of the Arizona State  
11 Museum pursuant to A.R.S. § 41-865.
- 12 7. The Applicant shall design the transmission lines so as to mitigate impacts  
13 to raptors.
- 14 8. The Applicant shall use non-specular conductor and dulled surfaces for  
15 transmission line structures.
- 16 9. Within 120 days of the Commission decision granting this Certificate,  
17 Applicant will post signs in public rights-of-way giving notice of the Project  
18 corridor to the extent authorized by law. The Applicant shall place signs in  
19 prominent locations at reasonable intervals such that the public is notified  
20 along the full length of the transmission line until the transmission structures  
21 are constructed. To the extent practicable, within 45 days of securing  
22 easement or right-of-way for the Project, the Applicant shall erect and  
23 maintain signs providing public notice that the property is the site of a future  
24 transmission line. Such signage shall be no smaller than a normal roadway  
25 sign. The signs shall advise:  
26

- 1 (a) That the site has been approved for the construction of Project  
2 facilities;  
3 (b) The expected date of completion of the Project facilities;  
4 (c) A phone number for public information regarding the Project;  
5 (d) The name of the Project;  
6 (e) The name of the Applicant; and  
7 (f) The Applicant's website.

8 Sign placement will be reported annually in accordance with Condition 16.

9 10. Before construction on this Project may commence, the Applicant must file  
10 a construction mitigation and restoration plan ("Plan") with ACC Docket  
11 Control. Where practicable, the Plan shall specify that the Applicant use  
12 existing roads for construction and access, minimize impacts to wildlife,  
13 minimize vegetation disturbance outside of the Project right-of-way, and  
14 revegetate native areas following construction disturbance.

15 11. With respect to the Project, Applicant shall participate in good faith in state  
16 and regional transmission study forums to coordinate transmission  
17 expansion plans related to the Project and to resolve transmission constraints  
18 in a timely manner.

19 12. The Applicant shall provide copies of this Certificate to Pinal County  
20 Planning and Development, the Arizona State Land Department, the State  
21 Historic Preservation Office, and the Arizona Game and Fish Department.

22 13. Prior to the date this transmission line is put into commercial service, the  
23 Applicant shall provide known homebuilders and developers within one  
24 mile of the center line of the Certificate route the identity, location, and a  
25 pictorial depiction of the type of power line being constructed, accompanied  
26 by a written description, and encourage the developers and homebuilders to



1 include this information in the developers' and homebuilders' homeowners'  
2 disclosure statements.

3 14. The Applicant will not construct the Project on any portion of the existing  
4 Pinal County Fairgrounds, a 120+/- acre parcel, owned by Pinal County,  
5 described as N1/2 SE 1/4 and the SE1/4 NE1/4 Section 25, T6S, R7E,  
6 G&SRB&M, Pinal County, Arizona, without the prior written consent of  
7 Pinal County.

8 15. Before commencing construction of Project facilities located parallel to and  
9 within 100 feet of any existing natural gas or hazardous liquid pipeline, the  
10 Applicant shall:

11 (a) Perform the appropriate grounding and cathodic protection studies to  
12 show that the Project's location parallel to and within 100 feet of  
13 such pipeline results in no material adverse impacts to the pipeline or  
14 to public safety when both the pipeline and the Project are in  
15 operation. If material adverse impacts are noted in the studies,  
16 Applicant shall take appropriate steps to ensure that such material  
17 adverse impacts are mitigated. Applicant shall provide to  
18 Commission Staff reports of studies performed; and

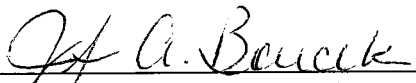
19 (b) Perform a technical study simulating an outage of the Project that  
20 may be caused by the collocation of the Project parallel to and within  
21 100 feet of the existing natural gas or hazardous liquid pipeline.  
22 This study should either: i) show that such outage does not result in  
23 customer outages; or ii) include operating plans to minimize any  
24 resulting customer outages. Applicant shall provide a copy of this  
25 study to Commission Staff.  
26

1 16. The Applicant shall submit a self-certification letter annually, identifying  
2 progress made with respect to each condition contained in the Certificate,  
3 including which conditions have been met. Each letter shall be submitted to  
4 the Utilities Division Director on December 1 beginning in 2008. Attached  
5 to each certification letter shall be documentation explaining how  
6 compliance with each condition was achieved. Copies of each letter along  
7 with the corresponding documentation shall be submitted to the Arizona  
8 Attorney General and Department of Commerce Energy Office. The  
9 requirement for the self-certification shall expire on the date the Project is  
10 placed into operation.

11 17. Applicant will follow the latest Western Electricity Coordinating Council/  
12 North American Electric Reliability Corporation Planning standards as  
13 approved by the Federal Energy Regulatory Commission, and National  
14 Electrical Safety Code construction standards.

15  
16 DATED this 15<sup>th</sup> day of February, 2008.

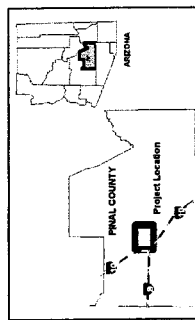
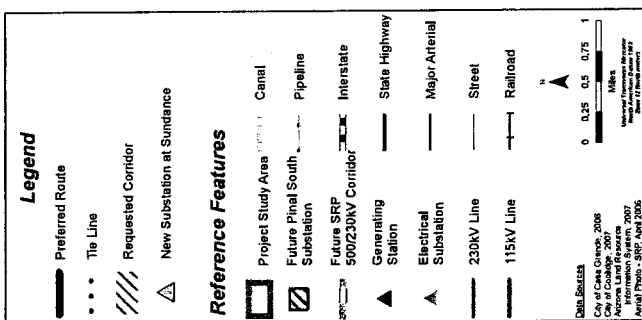
17 THE ARIZONA POWER PLANT AND  
18 TRANSMISSION LINE SITING COMMITTEE

19  
20   
21 Jennifer A. Boucek, Chairman

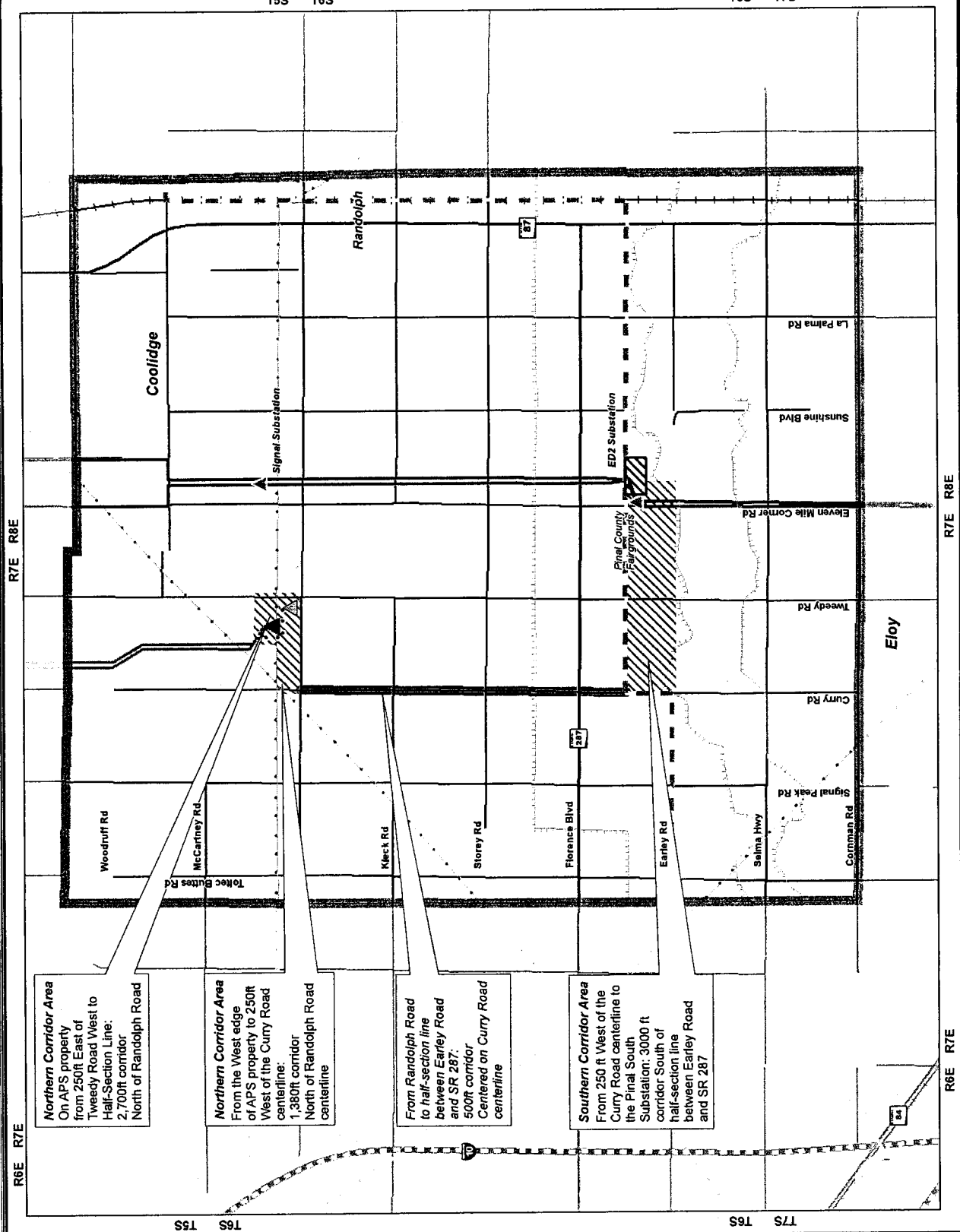
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# Exhibit A

February 2008



# APS



# Exhibit B

Figure G-1 Double-circuit 230kV with Double-circuit 69kV Underbuild

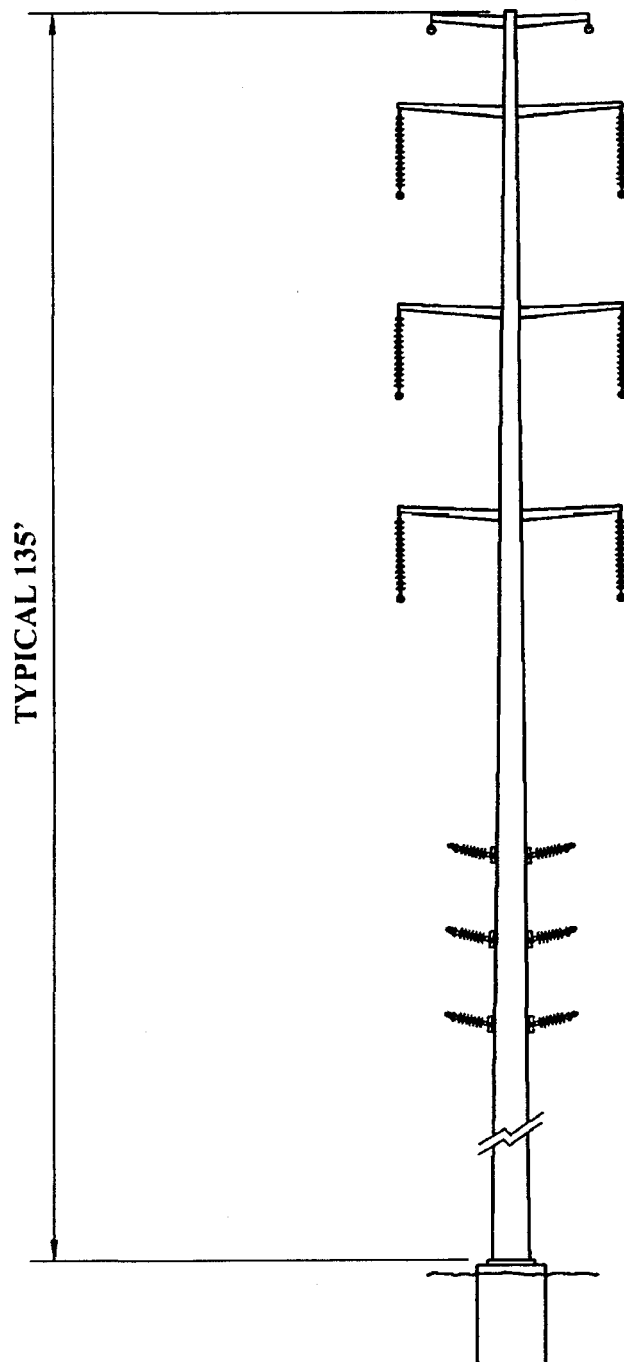
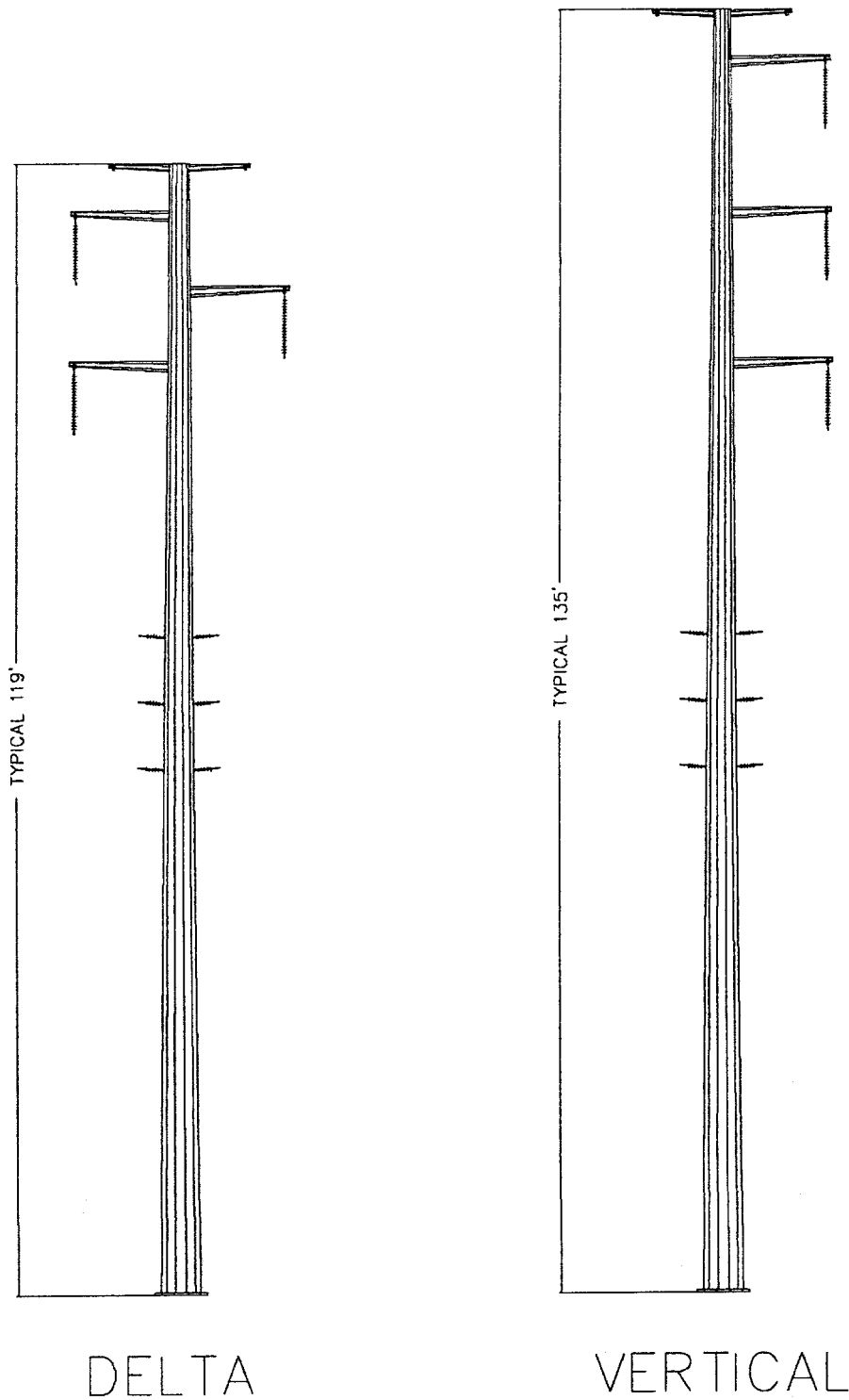
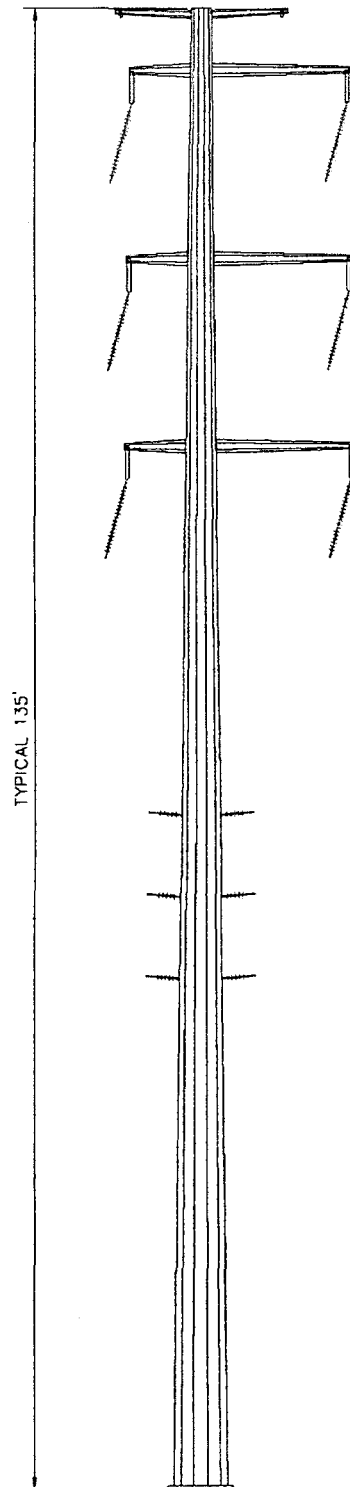


Figure G-2 Single-circuit 230kV with Double-circuit 69kV Underbuild



**Figure G-3: Double-circuit 230kV Single Pole Turning Structure with Double-circuit 69kV Underbuild**





**Figure G-4: Double-circuit 230kV with Double-circuit 69kV Underbuild Single Pole 90° Turning Structure**

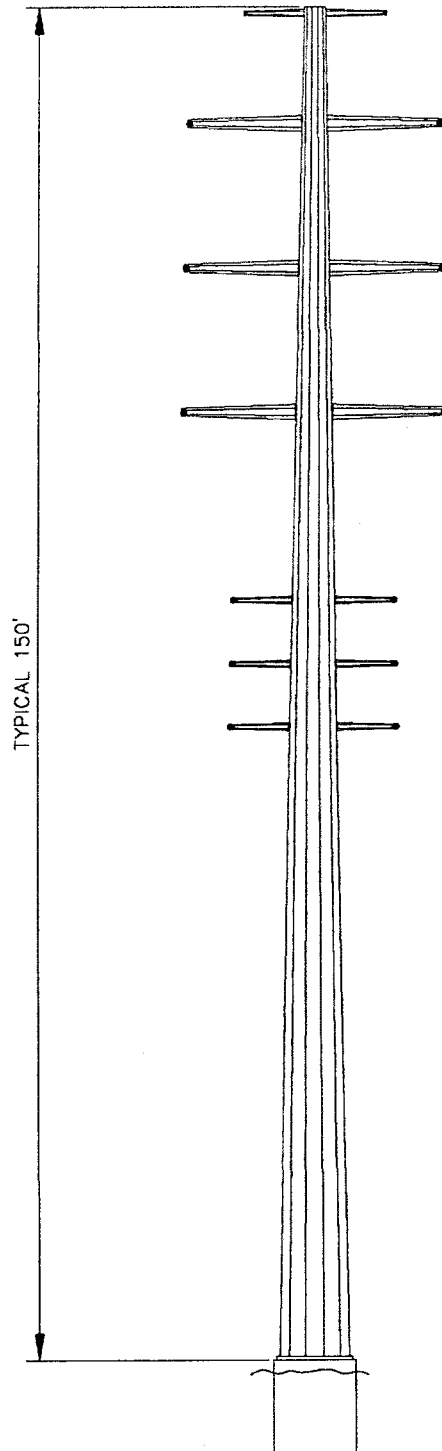


Figure G-5: 230kV with 69kV Underbuild Two Pole 90°, Dead End, and Turning Structure

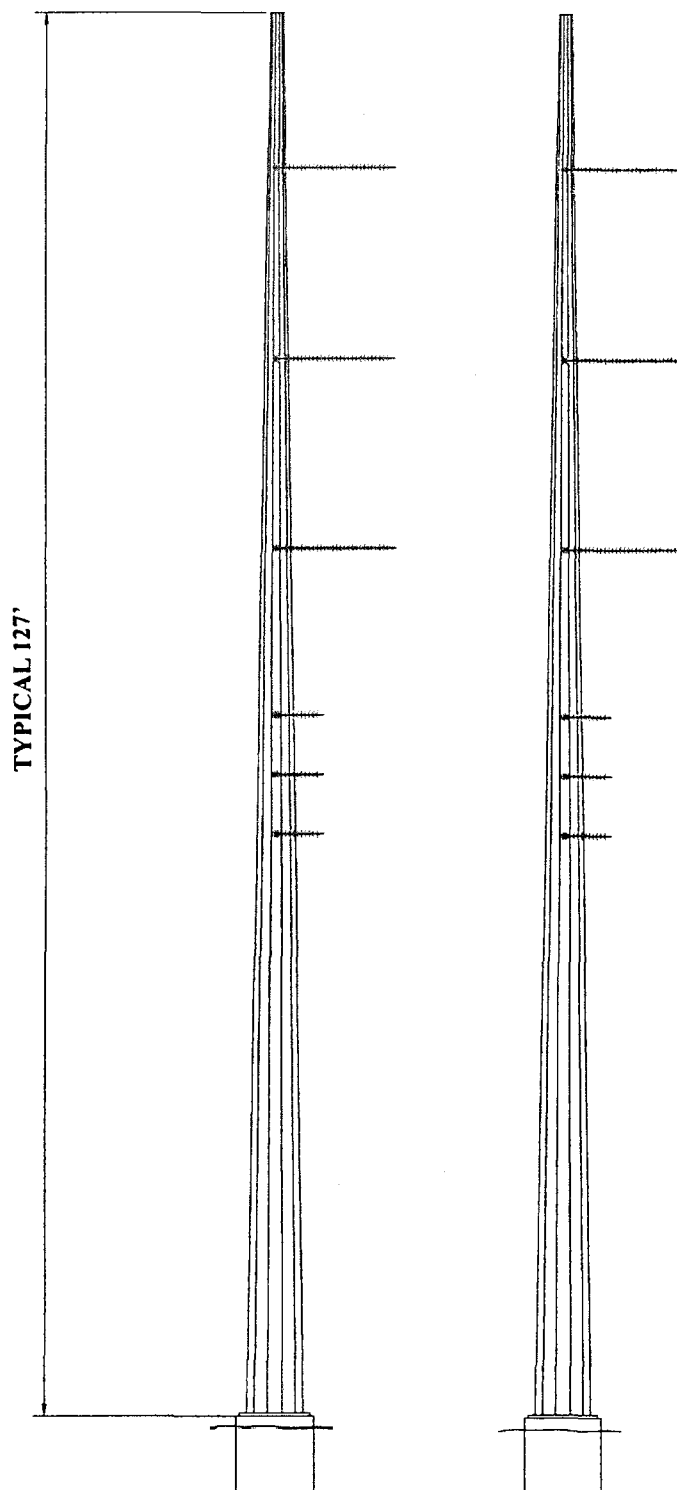


Figure G-6: Single-circuit 230kV H-Frame Structure

